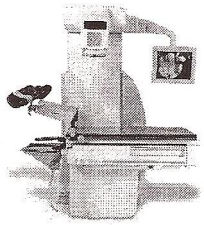

Uroview 2800 Lab # 11 Frequency Inverters

This lab is designed to give you a basic understanding of how to verify the settings and how to program the two frequency inverters.
Note: For this lab you will need a copy of the Siemens Micromaster Operating Instructions. See the instructor for a copy of this.

1. Slide the inside electronics rack out toward the foot end of the table to allow access to the two frequency inverters.
2. Frequency Inverter U1 is on the right U2 is on the left.
3. Using the power switch on the back of the table turn on only the table power, after boot up completes both inverters should display 0.0.
4. Using the front panel of U1 press the "P" button, it should display 0000.
5. Press and release ▲the until P009 is displayed, if you scroll beyond the number you want, simply press the down arrow▼.
6. Press the "P" button again, it should now display 0003.
7. Press the P button again; it should change back to P009.
8. Continue pressing the ▲ button until you reach P091.
9. Press the P button, it should now display 0000.
10. Using the same procedure, reference the table below and verify the remaining settings for U1.
11. When the last one is checked, press the down arrow until you reach 0000, then press the P button, it should return to start up screen of 0.0.
12. Repeat the procedure to verify the settings for U2.

Parameter	Function	Description	U1	U2
P009	Parameter Protection	All Parameters can be read/set	0003	0003
P091	Slave Address		0000	0001
P092	Baud Rate	19,200	0007	0007
P095	USS Compatibility		0002	0002
P910	Local/Remote Mode	1= Remote Control	0001	0001

13. Using the Micromaster Operating Instructions check the settings for the highlighted values found on the two pages of examples. The numbers are filled in but verify that they are correct and list the function and description for each. This only needs to be done for U1.